

=> d his ful

FILE 'LREGISTRY' ENTERED AT 07:26:49 ON 10 SEP 2008

ACT CAM303/A

L1 STR
L2 SCR 2043
L3 SCR 1993
L4 SCR 1700
L5 QUE ABB=ON PLU=ON L1 AND L2 AND L3 AND L4

FILE 'REGISTRY' ENTERED AT 07:27:40 ON 10 SEP 2008

ACT CAM303/A

L6 STR
L7 SCR 2043
L8 SCR 1993
L9 SCR 1700
L10 28792 SEA SSS FUL L6 AND L7 AND L8 AND L9

ACT CAM303A/A

L11 STR
L12 SCR 2043
L13 SCR 1993
L14 SCR 1700
L15 (28792)SEA SSS FUL L11 AND L12 AND L13 AND L14
L16 STR
L17 446 SEA SUB=L15 SSS FUL L16

ACT CAM303B/A

L18 STR
L19 SCR 2043
L20 SCR 1993
L21 SCR 1700
L22 (28792)SEA SSS FUL L18 AND L19 AND L20 AND L21
L23 STR
L24 (15)SEA SUB=L22 SSS FUL L23
L25 (9)SEA ABB=ON PLU=ON L24 AND (C12H12N2O OR C6H8N2 OR
C13H14N2 OR C12H12N2O OR C12H12N2)
L26 (7)SEA ABB=ON PLU=ON L25 NOT SI/ELS

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L27 (      3)SEA ABB=ON   PLU=ON   L26 NOT (C17H6O9 OR C17H16O4 OR
          C12H12N2O)
L28 (      4)SEA ABB=ON   PLU=ON   L26 NOT L27
L29 (      2)SEA ABB=ON   PLU=ON   L28 AND "(C12H12N2O.C10H2O8)X"/MF
L30 (      1)SEA ABB=ON   PLU=ON   L29 NOT OXOCIN
L31      4 SEA ABB=ON   PLU=ON   L27 OR L30

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ACT CAM303C/A
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L32      STR
L33      STR
L34      SCR 2043
L35      SCR 1993
L36      SCR 1700
L37 (    28792)SEA SSS FUL L33 AND L34 AND L35 AND L36
L38      STR
L39 (    446)SEA SUB=L37 SSS FUL L38
L40      76 SEA SUB=L39 SSS FUL L32

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ACT CAM303D/A
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L41      STR
L42      STR
L43      SCR 2043
L44      SCR 1993
L45      SCR 1700
L46 (    28792)SEA SSS FUL L42 AND L43 AND L44 AND L45
L47      STR
L48 (    446)SEA SUB=L46 SSS FUL L47
L49 (    76)SEA SUB=L48 SSS FUL L41
L50      41 SEA ABB=ON   PLU=ON   L49 NOT (C6H16N2 OR C17H6O7 OR
          C8H12N2O2 OR C16H6O6 OR C6H10N4 OR C8H6O4 OR C7H7NO3 OR
          C7H5NO4)

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FILE 'LREGISTRY' ENTERED AT 07:55:43 ON 10 SEP 2008

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L51      STR

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FILE 'REGISTRY' ENTERED AT 08:07:29 ON 10 SEP 2008

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ACT CAM303D/A
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L52      STR
L53      STR
L54      SCR 2043
L55      SCR 1993
L56      SCR 1700

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L57 (28792)SEA SSS FUL L53 AND L54 AND L55 AND L56
 L58 STR
 L59 (446)SEA SUB=L57 SSS FUL L58
 L60 (76)SEA SUB=L59 SSS FUL L52
 L61 41 SEA ABB=ON PLU=ON L60 NOT (C6H16N2 OR C17H6O7 OR
 C8H12N2O2 OR C16H6O6 OR C6H10N4 OR C8H6O4 OR C7H7NO3 OR
 C7H5NO4)

 ACT CAM303C/A

L62 STR
 L63 STR
 L64 SCR 2043
 L65 SCR 1993
 L66 SCR 1700
 L67 (28792)SEA SSS FUL L63 AND L64 AND L65 AND L66
 L68 STR
 L69 (446)SEA SUB=L67 SSS FUL L68
 L70 76 SEA SUB=L69 SSS FUL L62

 ACT CAM303B/A

L71 STR
 L72 SCR 2043
 L73 SCR 1993
 L74 SCR 1700
 L75 (28792)SEA SSS FUL L71 AND L72 AND L73 AND L74
 L76 STR
 L77 (15)SEA SUB=L75 SSS FUL L76
 L78 (9)SEA ABB=ON PLU=ON L77 AND (C12H12N2O OR C6H8N2 OR
 C13H14N2 OR C12H12N2O OR C12H12N2)
 L79 (7)SEA ABB=ON PLU=ON L78 NOT SI/ELS
 L80 (3)SEA ABB=ON PLU=ON L79 NOT (C17H6O9 OR C17H16O4 OR
 C12H12N2O)
 L81 (4)SEA ABB=ON PLU=ON L79 NOT L80
 L82 (2)SEA ABB=ON PLU=ON L81 AND "(C12H12N2O.C10H2O8)X"/MF
 L83 (1)SEA ABB=ON PLU=ON L82 NOT OXOCIN
 L84 4 SEA ABB=ON PLU=ON L80 OR L83

 L85 8 SEA SUB=L17 SSS SAM L51

FILE 'REGISTRY' ENTERED AT 08:54:25 ON 10 SEP 2008

L87 11 SEA SUB=L17 SSS SAM L86
 D SCA
 L88 221 SEA SUB=L17 SSS FUL L86

SAV TEMP L88 CAM303E/A
 L89 30 SEA ABB=ON PLU=ON L88 AND 2/NC
 D SCA
 L90 21 SEA ABB=ON PLU=ON L89 NOT (C18H12F12N2O3 OR C19H18N2O
 OR C15H16N2O3 OR C18H28N2O3SI2 OR C12H14O6 OR C14H16N2O2S
 OR C13H12N2O OR C20H14O6)
 L91 9 SEA ABB=ON PLU=ON L89 NOT L90
 D BROWSE
 L92 68 SEA ABB=ON PLU=ON L88 AND 3/NC
 D SCA L92
 L93 68 SEA ABB=ON PLU=ON L92 AND (C8H6O4 OR C17H10F6O4 OR
 C8H6O5 OR C12H12N2S OR C14H12N2S OR C14H10O5 OR C12H4F8N2
 OR C8H2F4O4)
 L94 68 SEA ABB=ON PLU=ON L92 AND (C17H10F6O4 OR C8H6O5 OR
 C12H12N2S OR C14H12N2S OR C14H10O5 OR C12H4F8N2 OR
 C8H2F4O4)
 L95 8 SEA ABB=ON PLU=ON L92 AND (C17H10F6O4 OR C12H12N2S OR
 C14H12N2S OR C14H10O5 OR C12H4F8N2 OR C8H2F4O4)
 D SCA
 L96 0 SEA ABB=ON PLU=ON 48.150.1/RID AND L95
 L97 0 SEA ABB=ON PLU=ON 48.156.1/RID AND L95
 L98 1 SEA ABB=ON PLU=ON 46.150.1/RID AND L95
 L99 6 SEA ABB=ON PLU=ON L95 NOT (C14H10F6N2 OR L98)
 L100 60 SEA ABB=ON PLU=ON L94 NOT L95

 L101 14 SEA ABB=ON PLU=ON 121-91-5/CRN AND L100
 D SCA
 L102 12 SEA ABB=ON PLU=ON L101 NOT SI/ELS
 L103 11 SEA ABB=ON PLU=ON L102 NOT METHANONE
 D SCA
 L104 70 SEA ABB=ON PLU=ON L88 AND 4/NC
 D SCA
 L105 1 SEA ABB=ON PLU=ON L104 AND (C25H38N2)
 D L16
 L106 STR L16
 D L6
 L107 2 SEA SUB=L10 SSS SAM L106
 D SCA
 L108 96 SEA SUB=L10 SSS FUL L106
 L109 29 SEA ABB=ON PLU=ON L108 AND 1/NC
 D SCA
 L110 15 SEA ABB=ON PLU=ON L109 AND (C29H32N2O3 OR C33H40N2O3
 OR C14H10N2O4 OR C14H10N2O3 OR C21H16N2O3 OR C20H14N2O5S
 OR C23H14F6N2O3 OR C20H14N2O4 OR C27H28N2O3 OR C23H20N2O5
 OR C21H16N2O4)
 L111 58 SEA ABB=ON PLU=ON L90 OR L99 OR L103 OR L105 OR L110
 OR L31

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      D SCA L50
L112   40 SEA ABB=ON  PLU=ON  L61 AND (C8H4CL2O3 OR C6H8N2O OR
      C8H4CL2O4 OR C6H8N2O2 OR C8H6O5 OR C8H6O6)
      D STR TOT
      SEL RN 1-3, 5, 9,12,17-18,22,25-27,30,36-38, 40
L113   17 SEA ABB=ON  PLU=ON  (107613-98-9/BI OR 124538-56-3/BI OR
      130480-39-6/BI OR 130480-40-9/BI OR 145756-41-8/BI OR
      172028-31-8/BI OR 178064-15-8/BI OR 178064-17-0/BI OR
      188529-96-6/BI OR 281194-05-6/BI OR 339306-53-5/BI OR
      867218-68-6/BI OR 871576-14-6/BI OR 916500-95-3/BI OR
      918538-49-5/BI OR 951245-09-3/BI OR 951245-11-7/BI)
L114   75 SEA ABB=ON  PLU=ON  L113 OR L111
      D SCA L31
L115   4 SEA ABB=ON  PLU=ON  119764-39-5 OR 144442-06-8 OR
      180579-38-8 OR 180579-39-9
      D SCA
L116   3 SEA ABB=ON  PLU=ON  L115 NOT (C6H8N2)
      D
      E "C29H32N2O3)N"/MF
      E "(C29H32N2O3)N"/MF
L117   2 SEA ABB=ON  PLU=ON  "(C29H32N2O3)N"/MF
      D SCA
L118   1 SEA ABB=ON  PLU=ON  L117 NOT L116
      D L116 2
      E "(C21H30N2.C8H6O5)X"/MF
L119   3 SEA ABB=ON  PLU=ON  "(C21H30N2.C8H6O5)X"/MF
      D SCA
L120   2 SEA ABB=ON  PLU=ON  L119 NOT L116
      D L116 3
      E "(C12H12N2O.C8H6O5.C8H6O4)X"/MF
L121   5 SEA ABB=ON  PLU=ON  "(C12H12N2O.C8H6O5.C8H6O4)X"/MF
      D SCA
      D STR
      D RN
L122   4 SEA ABB=ON  PLU=ON  L121 NOT 421765-70-0
L123   3 SEA ABB=ON  PLU=ON  L122 NOT L116
L124   9 SEA ABB=ON  PLU=ON  (L116 OR L117 OR L118 OR L119 OR
      L120 OR L122 OR L123)
L125   67 SEA ABB=ON  PLU=ON  L114 NOT L124
      SAV L124 CAM303F/A
      SAV L125 CAM303G/A

FILE 'HCAPLUS' ENTERED AT 11:34:18 ON 10 SEP 2008
L126   114 SEA ABB=ON  PLU=ON  L124 OR L125
L127   24 SEA ABB=ON  PLU=ON  L126 AND PY<=2004 NOT P/DT
L128   70 SEA ABB=ON  PLU=ON  L126 AND (PD<=20040511 OR PRD<=200405
      11 OR AD<=20040511) AND P/DT

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L129 94 SEA ABB=ON PLU=ON L127 OR L128
 E UCHIDA M/AU
 L130 383 SEA ABB=ON PLU=ON ("UCHIDA M"/AU OR "UCHIDA M K"/AU OR
 "UCHIDA M M M"/AU) OR ("UCHIDA MAKAO"/AU OR "UCHIDA
 MAKATO"/AU)
 E MAKATO U/AU
 E MAKOTO U/AU
 E TOYOFUMI A/AU
 E ASANO T/AU
 L131 405 SEA ABB=ON PLU=ON "ASANO T"/AU
 E ASANO TOYOFUMI/AU
 L132 76 SEA ABB=ON PLU=ON ("ASANO TOYOFUMI"/AU OR "ASANO
 TOYOHUMI"/AU)
 E UCHIDA MAKATO/AU
 L133 477 SEA ABB=ON PLU=ON ("UCHIDA MAKATO"/AU OR "UCHIDA
 MAKI"/AU OR "UCHIDA MAKIKO"/AU OR "UCHIDA MAKIO"/AU OR
 "UCHIDA MAKIYO"/AU OR "UCHIDA MAKOTO"/AU)
 L134 1336 SEA ABB=ON PLU=ON (L130 OR L131 OR L132 OR L133)
 E NIPPON KAYAKU/CO
 E E3+ALL
 E E4+ALL
 L135 5870 SEA ABB=ON PLU=ON "NIPPON KAYAKU CO LTD"/CO
 E NIPPON KAYAKU/CO
 E E5+ALL
 L136 6067 SEA ABB=ON PLU=ON NIPPON KAYAKU CO+RT/CO
 L137 7662 SEA ABB=ON PLU=ON NIPPON KAYAKU/CS,PA
 L138 7662 SEA ABB=ON PLU=ON L137 OR L136 OR L135
 L139 8877 SEA ABB=ON PLU=ON L134 OR L138
 L140 20 SEA ABB=ON PLU=ON L139 AND L129
 D SCA TI AU
 D SCA L140 AU
 D L140 TI AU

FILE 'REGISTRY' ENTERED AT 13:33:13 ON 10 SEP 2008
 SAV TEMP L40 CAM303H/A
 D SAV

FILE 'HCAPLUS' ENTERED AT 13:39:33 ON 10 SEP 2008
 SAV L129 CAM303J/A

L141 559732 SEA ABB=ON PLU=ON (B32B OR C08G OR C09J OR H05K)/IPC,IC
 ,ICM,ICS,EPC
 L142 58 SEA ABB=ON PLU=ON L128 AND L141
 L143 210429 SEA ABB=ON PLU=ON (B32B)/IPC,IC,ICM,ICS,EPC
 L144 284426 SEA ABB=ON PLU=ON (C08G OR C09J)/IPC,IC,ICM,ICS,EPC
 L145 112529 SEA ABB=ON PLU=ON (H05K)/IPC,IC,ICM,ICS,EPC
 L146 2716 SEA ABB=ON PLU=ON L143 AND L144 AND L145

L147 3 SEA ABB=ON PLU=ON L146 AND L128
 L148 112267 SEA ABB=ON PLU=ON PRINT?(2A)?CIRCUIT? OR PCB# OR
 PRINT?(2A)?WIRING? OR PWB# OR CIRCUIT?(2A)BOARD? OR
 WIRING?(2A)BOARD?
 L149 0 SEA ABB=ON PLU=ON L148 AND L127
 L150 274678 SEA ABB=ON PLU=ON ?ADHESIVE? OR BONDING? (2A) AGENT?
 L151 0 SEA ABB=ON PLU=ON L127 AND L150
 L152 359022 SEA ABB=ON PLU=ON LAMINAT? OR LAMEL? OR (?LAYER?) (2A)
 (MULTI? OR PLURAL? OR DUAL? OR BI# OR DI#)
 L153 0 SEA ABB=ON PLU=ON L152 AND L127
 L154 13 SEA ABB=ON PLU=ON L128 AND L148
 D SCA L140 CO
 D SCA L140 TI AU
 D L140 CO
 D SCA L140 TI AU
 D L140 TI AU
 D L140 1-6 TI AU

FILE 'HCAPLUS' ENTERED AT 15:05:46 ON 10 SEP 2008
 L155 20 SEA ABB=ON PLU=ON L139 AND L129

FILE HOME

FILE STNGUIDE
 FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Sep 5, 2008 (20080905/UP).

FILE LREGISTRY
 LREGISTRY IS A STATIC LEARNING FILE

NEW CAS INFORMATION USE POLICIES, ENTER HELP USAGETERMS FOR DETAILS.

FILE REGISTRY
 Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 9 SEP 2008 HIGHEST RN 1048111-29-0
 DICTIONARY FILE UPDATES: 9 SEP 2008 HIGHEST RN 1048111-29-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE COVERS 1907 - 10 Sep 2008 VOL 149 ISS 11

FILE LAST UPDATED: 9 Sep 2008 (20080909/ED)

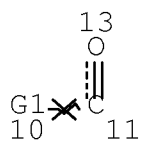
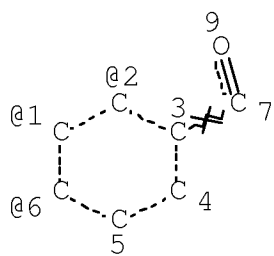
HCAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que stat l33

L33 STR



VAR G1=2/1/6

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

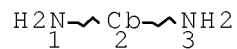
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

=> d que stat l41

L41 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS UNS AT 2

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

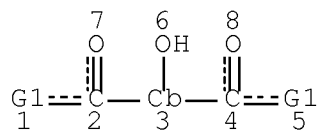
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 3

STEREO ATTRIBUTES: NONE

=> d que stat l47

L47 STR



VAR G1=O/X

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 3

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS E6 C AT 3

GRAPH ATTRIBUTES:

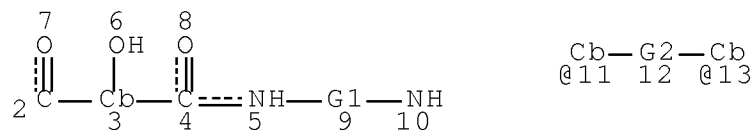
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE

=> d que stat l106

L106 STR



VAR G1=CB/11-5 13-10

REP G2=(0-20) A

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 3
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT 3

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE